INNOVATE

The Future of Projection

Multimedia Projectors

Quick Guide 2010

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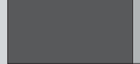
	Education						Installation					Professional Series		
				Short Throw	Ultra Short Throw									
														
	ED-X24Z	ED-X40Z/ED-X42Z	ED-X45N	ED-D10N/ED-D11N	ED-AW100N/ED-AW110N	ED-A101/ED-A111	CP-X608**	CP-X615**	CP-WX625**	CP-SX635**	CP-X809**	CP-X10000*	CP-WX11000*	CP-SX12000*
SVGA/XGA/WXGA/SXGA+	XGA	XGA	XGA	XGA	WXGA	XGA	XGA	XGA	WXGA	SXGA+	XGA	XGA	WXGA	SXGA+
Resolution	1024 x 768	1024 x 768	1024 x 768	1024 x 768	1280 x 800	1024 x 768	1024 x 768	1024 x 768	1280 x 800	1400 x 1050	1024 x 768	1024 x 768	1366 x 800	1400 x 1050
Brightness (ANSI Lumens)	2200 (Bright Mode) 1500 (Normal Mode)	2200 (Bright Mode) 1500 (Normal Mode)	2200 (Bright Mode) 1500 (Normal Mode)	2000 (Bright Mode) 1500 (Normal Mode)	2000 (Bright Mode) 1500 (Normal Mode)	2000 (Bright Mode) 1500 (Normal Mode)	4000 (Normal Mode) 3200 (Eco Mode)	4000 (Normal Mode) 3200 (Eco Mode)	4000 (Normal Mode) 3200 (Eco Mode)	4000 (Normal Mode) 3200 (Eco Mode)	5000 (Normal Mode) 4000 (Eco Mode)	7500 (Normal Mode) 6000 (Eco Mode)	6500 (Normal Mode) 5200 (Eco Mode)	7000 (Normal Mode) 5600 (Eco Mode)
Liquid Crystal Panel Structure	0.63" P-Si TFT x 3	0.63" P-Si TFT x 3	0.63" P-Si TFT x 3	0.55" P-Si TFT x 3	0.59" P-Si TFT x 3	0.63" P-Si TFT x 3	0.8" P-Si TFT x 3	0.8" P-Si TFT x 3	0.75" P-Si TFT x 3	0.79" P-Si TFT x 3	0.79" P-Si TFT x 3	1.3"	1.22"	1.3"
Contrast Ratio	400:1	500:1	500:1 (TBD)	500:1	500:1	500:1	1000:1	1000:1	1000:1	1000:1	1000:1	2500:1	2500:1	2500:1
Noise (Normal/Eco)	35dB/29dB	36dB/29dB	36dB/29dB (TBD)	36dB/28dB	36dB/28dB	33dB/28dB	35dB/29dB	35dB/29dB	35dB/29dB	35dB/29dB	35dB/29dB	39dB/32dB	39dB/32dB	39dB/32dB
Frequency – fH (kHz)/fV (Hz)	31.5–106/56–120	31.5–106/56–120	31.5–106/56–120	31.5–106/56–120	31.5–106/56–120	31.5–106/56–120	31.5–106/56–120	31.5–106/56–120	31.5–106/56–120	31.5–106/56–120	31.5–106/56–120	31.5–106/56–120	31.5–106/56–120	31.5–106/56–120
Screen Size	30–300" (76–762cm)	30–300" (76–762cm)	30–300" (76–762cm)	60–100" (152–254cm)	60–100" (152–254cm)	60–100" (152–254cm)	30–350" (76–889cm)	30–350" (76–889cm)	30–350" (76–889cm)	30–350" (76–889cm)	30–350" (76–889cm)	40–700" (102–1,778cm)	40–700" (102–1,778cm)	40–700" (102–1,778cm)
Throw Distance	0.8–10.5m (60"@1.7m)	0.9–10.7m (60"@1.8m)	0.9–10.7m (60"@1.8m)	0.68–1.17m (80"@93cm)	0.59–1.27m (80"@82cm)	0.42–0.75m (60"@42cm)	0.9–13.0m (60"@1.8m)	0.9–13.0m (60"@1.8m)	0.9–13.5m (60"@1.9m)	0.9–13.0m (60"@1.8m)	0.9–13.0m (60"@1.8m)	100" Screen: 1.0–18.8m (depending on lens)	100" Screen: 1.0–18.8m (depending on lens)	100" Screen: 1.0–18.8m (depending on lens)
Lens	Manual Focus, Manual Zoom x 1.2	Manual Focus, Manual Zoom x 1.2	Manual Focus, Manual Zoom x 1.2	Manual Focus, Digital Zoom x 1.35	Manual Focus, Digital Zoom x 1.38	Free shaped lens & motorised free shaped mirror	Installation projectors optional lens comparison table					Professional Series projectors optional lens comparison table		
Keystone Correction	Fixed, 5:1 upward shift	Fixed, 9:1 upward shift	Fixed, 9:1 upward shift	Digital shift, Optical lens shift: 5.3: -1 fixed	Digital shift, Optical lens shift: 5: -1 fixed	Fixed, 10: -2.2 upward shift	Lens name	Standard (NL-600)	Fixed Short (FL-601)	Short Throw (SL602)	Long Throw (LL-603)	Ultra Long Throw (UL-604)	Lens name	Ultra Short (US-801) / Short 1 (SL-802) / Short 2 (SL-803) / Standard (SD-804) / Long (LL-805) / Ultra Long (UL-806)
							F no.	1.7 (W), 2.1 (T)	2.3 (W)	1.9 (W), 2.6 (T)	2.1 (W), 2.9 (T)	2.2 (W), 3.1 (T)	Zoom ratio	1 : 1.2 / 1 : 1.2 / 1 : 1.5 / 1 : 1.3 / 1 : 1.8 / 1 : 1.8
							Focal length (mm)	24 (W), 29 (T)	13 (W)	20 (W), 32 (T)	32 (W), 63 (T)	63 (W), 117 (T)	Keystone correction – Up to Down – V/SX+	1 : 1 / 3.7 : -1 ~ -1 : 3.7
							Zoom ratio	1 : 1.2	-	1 : 1.6	1 : 2.0	1 : 1.9	Keystone correction – Up to Down – WX	1 : 1 / 2.3 : -1 ~ -1 : 2.3
							Keystone correction	9 : 1	1 : 1	10 : 0	10 : 0	10 : 0	Keystone correction – Left to Right – V/SX+	1 : 1 / 13 : -1 ~ -1 : 13
							Focus range (m)	0.9–10.8 (W), 1.1–13.0 (T)	0.6–5.7 (W)	1.0–8.9 (W), 1.6–14.2 (T)	1.5–20.4 (W), 3.1–40.1 (T)	2.3–40.7 (W), 4.4–76.2 (T)	Keystone correction – Left to Right – WX	1 : 1 / 10.5 : -1 ~ -1 : 10.5
							Image distance (m) @ 100"	3.0–3.7	1.6	2.5–4.0	4.0–7.9	7.9–15.1	Image distance (m) @ 100"	1.0–1.2 / 2.5–3.0 / 3.0–4.4 / 4.4–5.8 / 5.7–10.7 / 10.2–18.8
Distance to Width Ratio (:1)	1.4 (Wide), 1.7 (Tele)	1.5 (Wide), 1.8 (Tele)	1.5 (Wide), 1.8 (Tele)	0.56:1 (Fixed)	0.47:1 (Fixed)	0.35:1 (Fixed)	Distance to screen width ratio (:1)	1.5 (W), 1.8 (T)	0.8 (W)	1.2 (W), 2.0 (T)	2.0 (W), 3.9 (T)	3.9 (W), 7.4 (T)	Distance to screen width ratio (:1)	0.5(W), 0.6(T) / 1.2(W), 1.5(T) / 1.5(W), 2.1(T) / 2.2(W), 2.9(T) / 2.8(W), 5.29(T) / 5.0(W), 9.2(T)
Physical:														
Weight	3.2Kg	3.5Kg	3.5Kg (TBD)	3.7Kg	4.8Kg	5.8Kg	7.1Kg	7.1Kg	7.1Kg	7.1Kg	7.1Kg	13.1Kg (without lens)	13.1Kg (without lens)	13.1Kg (without lens)
Dimensions (W x H x D) (excludes lens & feet)	317 x 98 x 288mm	317 x 98 x 288mm	317 x 98 x 288mm	333 x 103 x 303mm	333 x 118 x 303mm (when mirror is closed)	397 x 131 x 356mm	418 x 139 x 319mm	418 x 139 x 319mm	418 x 139 x 319mm	418 x 139 x 319mm	418 x 139 x 319mm	476 x 272 x 469mm	476 x 272 x 469mm	476 x 272 x 469mm
Power Consumption/Standby	260W/<1W	260W/<1W	(TBD)/<1W	270W/<1W	270W/<1W	340W/<5W	460W	460W	460W	460W	460W	540W	540W	540W
Speakers	1W Mono	1W Mono	16W Mono (TBD)	10W Mono	10W Mono	7W Mono	4 x 4W (2 Ch)	4 x 4W (2 Ch)	4 x 4W Mono	2 x 4W	4 x 4W SRS WOW Technology	No	No	No
Security Bar	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Filter	Urethane	Super Hybrid	Super Hybrid	Hybrid	Hybrid	Hybrid	Electrostatic	Electrostatic	Hybrid	Hybrid	Hybrid	Super Hybrid (20,000 hours)	Super Hybrid (20,000 hours)	Super Hybrid (20,000 hours)
Connectors:														
Digital Input	No	No	1 x HDMI	1 x HDMI	1 x HDMI	No	No	1 x HDMI	1 x HDMI	1 x HDMI	1 x HDMI	1 x HDMI (Digital RGB)	1 x HDMI (Digital RGB)	1 x HDMI (Digital RGB)
Computer Input	1 x 15-pin Mini D-sub (shared with component video)	2 x 15-pin Mini D-sub (shared with component video)	2 x 15-pin Mini D-sub (shared with component video)	2 x 15-pin Mini D-sub	2 x 15-pin Mini D-sub	2 x 15-pin Mini D-sub	2 x 15-pin Mini D-sub 1 x M1-D with HDCP Decoding	1 x 15-pin Mini D-sub 1 x BNC	1 x 15-pin Mini D-sub 1 x BNC	1 x 15-pin Mini D-sub 1 x BNC	1 x 15-pin Mini D-sub 1 x BNC	2 x 15-pin Mini D-sub 1 x BNC (shared with component) 1 x DVI-D	2 x 15-pin Mini D-sub 1 x BNC (shared with component) 1 x DVI-D	2 x 15-pin Mini D-sub 1 x BNC (shared with component) 1 x DVI-D
Computer Output	1 x 15-pin Mini D-sub	1 x 15-pin Mini D-sub	1 x 15-pin Mini D-sub	1 x 15-pin Mini D-sub	1 x 15-pin Mini D-sub	1 x 15-pin D-sub	1 x 15-pin Mini D-sub	1 x 15-pin Mini D-sub	1 x 15-pin Mini D-sub	1 x 15-pin Mini D-sub	1 x 15-pin Mini D-sub	1 x 15-pin D-sub	1 x 15-pin D-sub	1 x 15-pin D-sub
Video Input	1 x RCA Jack 1 x S-Video Jack	1 x RCA Jack (for composite) 1 x S-Video Jack 3 x RCA Jack (for component)	1 x RCA Jack (for composite) 1 x S-Video Jack 3 x RCA Jack (for component)	2 x component D-sub (shared with analogue RGB) 1 x RCA (for composite) 1 x Mini-DIN (for S-Video)	2 x component D-sub (shared with analogue RGB) 1 x RCA (for composite) 1 x Mini-DIN (for S-Video)	1 x RCA Jack (for composite) 1 x S-Video Jack 3 x RCA Jack (for component)	1 x RCA Jack (for composite) 1 x S-Video Jack 3 x RCA Jack (for component)	1 x RCA Jack (for composite) 1 x S-Video Jack 3 x RCA Jack (for component)	1 x RCA Jack (for composite) 1 x S-Video Jack Mini-DIN 4-pin 3 x RCA Jack (for component)	1 x RCA Jack (for composite) 1 x S-Video Jack 3 x RCA Jack (for component)	1 x RCA Jack (for composite) 1 x S-Video Jack 3 x RCA Jack (for component)	1 x RCA Jack (for composite) 1 x S-Video Jack 1 x BNC composite 1 x BNC component 1 x component RCA	1 x RCA Jack (for composite) 1 x S-Video Jack 1 x BNC composite 1 x BNC component 1 x component RCA	1 x RCA Jack (for composite) 1 x S-Video Jack 1 x BNC composite 1 x BNC component 1 x component RCA
Audio Input	1 x Stereo Mini Jack (selectable on OSD)	2 x Stereo Mini Jack 1 x RCA (L/R) pair (selectable on OSD)	2 x Stereo Mini Jack 1 x RCA (L/R) pair (selectable on OSD)	2 x Stereo Mini Jack 1 x RCA (L/R) pair (selectable on OSD)	2 x Stereo Mini Jack 1 x RCA (L/R) pair (selectable on OSD)	2 x Stereo Mini Jack 1 x RCA (L/R) pair (selectable on OSD)	2 x Stereo Mini Jack 2 x pair RCA (L/R) (selectable on OSD)	2 x Stereo Mini Jack 2 x pair RCA (L/R) (selectable on OSD)	2 x Stereo Mini Jack 2 x pair RCA (L/R) (selectable on OSD)	2 x Stereo Mini Jack 2 x pair RCA (L/R) (selectable on OSD)	2 x Stereo Mini Jack 2 x pair RCA (L/R) (selectable on OSD)	No	No	No
Audio Output	1 x Stereo Mini Jack	2 x RCA Jack (L/R)	1 x RCA (L/R) pair	1 x pair RCA (L/R)	1 x pair RCA (L/R)	1 x Stereo Mini Jack	1 x Stereo Mini Jack	1 x Stereo Mini Jack	1 x Stereo Mini Jack	1 x Stereo Mini Jack	1 x Stereo Mini Jack	No	No	No
Control	No	1 x 9-pin D-sub for RS232 Control	1 x 9-pin D-sub for RS232 Control	1 x 9-pin D-sub for RS232 Control	1 x 9-pin D-sub for RS232 Control	1 x 9-pin D-sub for RS232 Control	1 x 9-pin D-sub for RS232 Control	1 x 9-pin D-sub for RS232 Control	1 x 9-pin D-sub for RS232 Control	1 x 9-pin D-sub for RS232 Control	1 x 9-pin D-sub for RS232 Control	1 x Serial port IN, 1 x RS232 OUT	1 x Serial port IN, 1 x RS232 OUT	1 x Serial port IN, 1 x RS232 OUT
Wireless LAN/Wired LAN	No/No	No/No	No/Yes	No/Yes	No/Yes	No/No	Yes/Yes	No/Yes	No/Yes	No/Yes	Optional/Yes	No/Yes	No/Yes	No/Yes
PC-Less Presentation	No	No	Yes	No	No	No	Yes	No	No	No	Yes	No	No	No
Mouse Control	No	USB	USB	No	No	No	USB	USB	USB	USB	USB	No	No	No
Wired Remote Control	No	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Compatibility:														
Computer	PC, VGA, SVGA, XGA, WXGA, SXGA, SXGA+, UXGA Compressed, MAC 16"	PC, VGA, SVGA, XGA, WXGA, SXGA, SXGA+, UXGA Compressed, MAC 16"	PC, VGA, SVGA, XGA, WXGA, SXGA, SXGA+, UXGA Compressed, MAC 16"	PC, VGA, SVGA, XGA, WXGA, SXGA, SXGA+, UXGA Compressed, MAC 16"	PC, VGA, SVGA, XGA, WXGA, SXGA, SXGA+, UXGA Compressed, MAC 16"	PC, VGA, SVGA, XGA, SXGA, UXGA Compressed, MAC 16"	PC, Mac, Workstation, VGA, SVGA, XGA, SXGA/SXGA+, UXGA Compressed, MAC 16"	PC, VGA, SVGA, XGA, SXGA/SXGA+, UXGA Compressed, MAC 16"	PC, VGA, SVGA, XGA, WXGA, SXGA, SXGA+, UXGA Compressed, MAC 16"	PC, VGA, SVGA, XGA, SXGA+, UXGA Compressed, MAC 16"	PC, VGA, SVGA, XGA, SXGA, UXGA Compressed, MAC 16"	Up to UXGA (1600 x 1200) (compressed)	Up to UXGA (1600 x 1200) (compressed)	Up to UXGA (1600 x 1200) (compressed)
Video	NTSC/PAL/SECAM/PAL-M/PAL-N/ NTSC4.43/PAL60	NTSC/PAL/SECAM/PAL-M/PAL-N/ NTSC4.43	NTSC/PAL/SECAM/PAL-M/PAL-N/ NTSC4.43/PAL60	NTSC/PAL/SECAM/PAL-M/PAL-N/ NTSC4.43/PAL60	NTSC/PAL/SECAM/PAL-M/PAL-N/ NTSC4.43/PAL60	NTSC/PAL/SECAM/PAL-M/PAL-N/ NTSC4.43	NTSC/PAL(-BGDHI)/SECAM/ PAL-M/PAL-N/NTSC4.43	NTSC/PAL(-BGDHI)/SECAM/ PAL-M/PAL-N/NTSC4.43	NTSC/PAL/SECAM/PAL-M/PAL-N/ NTSC4.43	NTSC/PAL/SECAM/PAL-M/PAL-N/ NTSC4.43	NTSC/PAL/SECAM/PAL-M/PAL-N/ NTSC4.43	NTSC/PAL/SECAM/PAL-M/PAL-N/ NTSC4.43	NTSC/PAL/SECAM/PAL-M/PAL-N/ NTSC4.43	NTSC/PAL/SECAM/PAL-M/PAL-N/ NTSC4.43
Accessories Included:														
Remote Control (with batteries)	Yes	Yes	Yes	Yes	Yes	Yes	Yes (with laser pointer)	Yes (with laser pointer)	Yes (with laser pointer)	Yes (with laser pointer)	Yes (with laser pointer)	Yes	Yes	Yes
RGB Cable	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MI-D Cable (DVI & USB to M1)	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No
Soft Case (included)	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Other	Teacher's remote (TR01)	Teacher's remote (TR01)	Teacher's remote (TR01)	Teacher's remote (TR01)	Teacher's remote (TR01), cable cover	Teacher's remote (TR01), cable cover	Wireless card (VA08331)	No	No	No	Wireless card (VA08331)	Lens adaptor (KU00041)	Lens adaptor (KU00041)	Lens adaptor (KU00041)
Replacement Lamp/Lamp Wattage	DT01022/190W (UHP)	DT01021/190W (UHP)	DT01021/190W (UHP)	DT01091/180W (UHB)	DT01091/180W (UHB)	DT00893/220W (UHB)	DT00771/285W (UHB)	DT00871/275W (UHB)	DT00873/275W (UHB)	DT00873/275W (UHB)	DT00871/275W (UHB)	DT01001	DT01001	DT01001
Projector Warranty	3 Years	3 Years	3 Years	3 Years	3 Years	3 Years	3 Years	3 Years	3 Years	3 Years	3 Years	3 Years	3 Years	3 Years
Lamp Warranty	3 Years/6000 Hours****	3 Years/6000 Hours****	3 Years/6000 Hours****	3 Years/4000 Hours****	3 Years/4000 Hours****	3 Years/4000 Hours****	6 Months/2000 Hours***	6 Months/2000 Hours***	6 Months/4000 Hours***	6 Months/4000 Hours***	6 Months/4000 Hours***	6 Months/4000 Hours***	6 Months/4000 Hours***	6 Months/4000 Hours***

*CP-X10000, CP-WX11000, CP-SX12000: Optional Lenses - Ultra Short Throw (US-801), Short Throw (SL-802), Short Throw (SL-803), Standard (SD-804), Long Throw (LL-805), Ultra Long Throw (UL-806). **CP-X608, CP-X615, CP-WX625, CP-SX635 & CP-X809: Optional Lenses - Standard (NL-600), Fixed Short (FL-601), Short Throw (SL-602), Long Throw (LL-603), Ultra Long Throw (UL-604). *** A free replacement lamp will be issued if the original lamp is less than 6 months old and it has only been used for less than the hours stated on lamp warranty. **** A free replacement lamp will be issued if the original lamp is less than 3 years old and it has only been used for less than the hours stated on lamp warranty from the date of first use. In accordance with our policy of constant improvement, we reserve the right to alter specifications of products shown.

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	Ultra Portable				Multi-Purpose									Short Throw			Ultra Short Throw		
	CPX1	CPX3	CPX4	CPX5	CP-RX78	CP-X2510Z	CP-X2510EN/CP-X2511N	CP-X308	CP-X3010Z	CP-X3010EN/CP-X3011N	CP-WX410	CP-X450	CP-X4020E	CP-X4011N	CP-D10	CP-DW10N	CP-D20	CP-AW100N	CP-A100	CP-A200
SVGA/XGA/WXGA/SXGA+	XGA	WXGA	XGA	XGA	XGA	XGA	XGA	XGA	XGA	XGA	WXGA	XGA	XGA	XGA	XGA	WXGA	XGA	WXGA	XGA	XGA
Resolution	1024 x 768	1280 x 800	1024 x 768	1024 x 768	1024 x 768	1024 x 768	1024 x 768	1024 x 768	1024 x 768	1024 x 768	1280 x 800	1024 x 768	1024 x 768	1024 x 768	1024 x 768	1280 x 800	1024 x 768	1280 x 800	1024 x 768	1024 x 768
Brightness (ANSI Lumens)	2000 (Normal Mode) 1600 (Eco Mode)	2000 (Normal Mode) 1500 (Eco Mode)	2000 (Normal Mode) 1500 (Eco Mode)	2500 (Normal Mode) 1800 (Eco Mode)	2200 (Normal Mode) 1600 (Eco Mode)	2600 (Normal Mode) 1800 (Eco Mode)	2600 (Normal Mode) (CP-X2510EN) 2700 (Normal Mode) (CP-X2511N) 1800 (Eco Mode) (CP-X2510EN) 2000 (Eco Mode) (CP-X2511N)	2600 (Normal Mode) 2100 (Eco Mode)	3200 (Normal Mode) 2100 (Eco Mode)	3000 (Normal Mode) (CP-X3010EN) 3200 (Normal Mode) (CP-X3011N) 2100 (Eco Mode)	3000 (Normal Mode) 2500 (Eco Mode)	3500 (Normal Mode) 2600 (Eco Mode)	4000 (Normal Mode) 3000 (Eco Mode)	4000 (Normal Mode) 2700 (Eco Mode)	2000 (Normal Mode) 1500 (Eco Mode)	2000 (Normal Mode) 1500 (Eco Mode)	2700 (Normal Mode) 2000 (Eco Mode)	2000 (Normal Mode) 1500 (Eco Mode)	2500 (Normal Mode) 2000 (Eco Mode)	3000 (Normal Mode) 2500 (Eco Mode)
Liquid Crystal Panel Structure	0.63" P-Si TFT x 3	0.59" P-Si TFT x 3	0.63" P-Si TFT x 3	0.63" P-Si TFT x 3	0.63" P-Si TFT x 3	0.63" P-Si TFT x 3	0.63" P-Si TFT x 3	0.63" P-Si TFT x 3	0.63" P-Si TFT x 3	0.63" P-Si TFT x 3	0.59" P-Si TFT x 3	0.63" P-Si TFT x 3	0.63" P-Si TFT x 3	0.63" P-Si TFT x 3	0.55" P-Si TFT x 3	0.59" P-Si TFT x 3	0.63" P-Si TFT x 3	0.59" P-Si TFT x 3	0.63" P-Si TFT x 3	0.63" P-Si TFT x 3
Contrast Ratio	500:1	500:1	500:1	500:1	400:1	2000:1	2000:1	500:1	2000:1	2000:1	500:1	500:1	2000:1	2000:1	500:1	500:1	600:1	500:1	500:1	500:1
Noise (Normal/Eco)	35dB/29dB	39dB/33dB	35dB/29dB	39dB/33dB	36dB/29dB	36dB/29dB	36dB/29dB	35dB/29dB	36dB/29dB	36dB/29dB	35dB/29dB	35dB/29dB	35dB/29dB	36dB/29dB	36dB/28dB	36dB/28dB	38dB/28dB	36dB/28dB	35dB/29dB	35dB/28dB
Frequency – fH (kHz)/fV (Hz)	31.5–106/56–120	31.5–106/56–120	31.5–106/56–120	31.5–106/56–120	31.5–106/56–120	31.5–106/56–120	31.5–106/56–120	31.5–106/56–120	31.5–106/56–120	31.5–106/56–120	31.5–106/56–120	31.5–106/56–120	31.5–106/56–120	31.5–106/56–120	31.5–106/56–120	31.5–106/56–120	31.5–106/56–120	31.5–106/56–120	31.5–106/56–120	31.5–106/56–120
Screen Size	30–300" (76–762cm)	30–300" (76–762cm)	30–300" (76–762cm)	30–300" (76–762cm)	30–300" (76–762cm)	30–300" (76–762cm)	30–300" (76–762cm)	30–300" (76–762cm)	30–300" (76–762cm)	30–300" (76–762cm)	30–300" (76–762cm)	30–300" (76–762cm)	30–300" (76–762cm)	30–300" (76–762cm)	60–100" (152–254cm)	60–100" (152–254cm)	60–100" (152–254cm)	60–100" (152–254cm)	60–100" (152–254cm)	60–100" (152–254cm)
Throw Distance	0.8–9.3m (60"@1.5m)	0.9–11.6m (60"@1.9m)	0.8–9.3m (60"@1.5m, Wide)	0.8–9.3m (60"@1.5m)	0.8–10.5m (60"@1.7m)	0.9–10.7m (60"@ 1.8m)	0.9–10.7m (60"@ 1.8m)	0.9–11.0m (60"@1.8m)	0.9–10.7m (60"@ 1.8m)	0.9–10.7m (60"@ 1.8m)	0.9–11.4m (60"@1.9m)	0.9–10.8m (60"@1.8m)	0.9–10.9m (60"@1.8m)	0.9–10.7m (60"@1.8m)	0.68–1.17m (80"@93cm)	0.63–1.32m (80"@86cm)	0.6–1m (80"@80cm)	0.59–1.27m (80"@82cm)	0.42–0.72m (60"@42cm)	0.42–0.72m (60"@42cm)
Lens	F1.8–1.9, (f=16.4–19.7mm) Manual Zoom x 1.2	F1.7–1.9 (f=19–23mm) Manual Focus, Optical Zoom x 1.2	F1.8–1.9 1:1.2 Manual Zoom x 1.2	F1.8–1.9, (f=16.4–19.7mm) Manual Zoom x 1.2	f=19–22mm, Manual Focus, Manual Zoom x 1.2	Manual Focus, Manual Zoom x 1.2	Manual Focus, Manual Zoom x 1.2	F1.7–1.9, (f=19.5–23.4mm) Manual Focus, Manual Zoom x 1.2	Manual Focus, Manual Zoom x 1.2	Manual Focus, Manual Zoom x 1.2	Manual Focus, Manual Zoom x 1.2	F1.6–1.8 (f=18.9–22.6mm) Manual Focus, Manual Zoom x 1.2	Manual Focus, Manual Zoom x 1.2	Manual Focus, Manual Zoom x 1.2	Manual Focus, Digital Zoom x 1.35	Manual Focus, Digital Zoom x 1.35	Manual Focus, Digital Zoom x 1.35	Manual Focus, Digital Zoom x 1.38	Free shaped lens & motorised free shaped mirror	Free shaped lens & motorised free shaped mirror
Keystone Correction	Fixed, 6:1 upward shift	Fixed, 10:1 upward shift	Fixed, 6:1 upward shift	Fixed, 6:1 upward shift	Fixed, 5:1 upward shift	Fixed, 9:1 upward shift	Fixed, 9:1 upward shift	Fixed, 9:1 upward shift	Fixed, 9:1 upward shift	Fixed, 9:1 upward shift	Fixed, 9:1 upward shift	Fixed, 9:1 upward shift	Fixed, 9:1 upward shift	Fixed, 9:1 upward shift	Digital shift, Optical lens shift: 5: -1 fixed	Fixed, 5:1:-1 upward shift	Digital shift, Optical lens shift: 10: -1 fixed	Digital shift, Optical lens shift: 5: -1 fixed	Fixed, 10: -2.2 upward shift	Fixed, 10: -2.2 upward shift
Distance to Width Ratio (:1)	1.3 (Wide), 1.5 (Tele)	1.5 (Wide), 1.8 (Tele)	1.3 (Wide), 1.5 (Tele)	1.3 (Wide), 1.5 (Tele)	1.4 (Wide), 1.7 (Tele)	1.5 (Wide), 1.8 (Tele)	1.5 (Wide), 1.8 (Tele)	1.5 (Wide), 1.8 (Tele)	1.5 (Wide), 1.8 (Tele)	1.5 (Wide), 1.8 (Tele)	1.5 (Wide), 1.8 (Tele)	1.5 (Wide), 1.7 (Tele)	1.5 (Wide), 1.8 (Tele)	1.5 (Wide), 1.8 (Tele)	0.57:1 (Fixed)	0.5:1 (Fixed)	0.57:1 (Fixed)	0.47:1 (Fixed)	0.35:1 (Fixed)	0.35:1 (Fixed)
Physical:																				
Weight	1.7Kg	1.7Kg	1.8Kg	1.7Kg	3.2Kg	3.6Kg	4.2Kg (CP-X2510EN) 3.5Kg (CP-X2511N) (TBD)	4.0Kg	3.6Kg	4.2Kg (CP-X3010EN) 3.5Kg (CP-X3011N) (TBD)	3.5Kg	3.5Kg	4.2Kg	3.5Kg (TBD)	3.5Kg	3.7Kg	3.6Kg	4.8Kg	5.9Kg	5.9Kg
Dimensions (W x H x D) (excludes lens & feet)	274 x 59 x 205mm	274 x 59 x 205mm	274 x 65 x 205mm	274 x 59 x 205mm	317 x 98 x 288mm	317 x 98 x 288mm	317 x 118 x 288mm (CP-X2510EN) 317 x 98 x 288mm (CP-X2511N)	340 x 117 x 270mm	317 x 98 x 288mm	317 x 118 x 288mm (CP-X3010EN) 317 x 98 x 288mm (CP-X3011N)	340 x 100 x 270mm	340 x 100 x 270mm	400 x 98 x 318mm	317 x 98 x 288mm	333 x 103 x 303mm	333 x 103 x 303mm	333 x 103 x 303mm	333 x 118 x 303mm (when mirror is closed)	397 x 131 x 356mm	397 x 131 x 356mm
Power Consumption/Standby	250W	310W	250W	310W	250W/<5W	300W/<1W	330W/<5W (CP-X2510EN) (TBD)/<1W (CP-X2511N)	350W	300W/<1W	330W/<5W (CP-X3010EN) (TBD)/<1W (CP-X3011N)	320W	320W	390W/<5W	(TBD)/<1W	250W/<1W	270W/<1W	280W/<1W	270W/<1W	340W/<10W	340W/<5W
Speakers	1W Mono	1W Mono	1 x 1W	1W Mono	No	16W Mono	16W Mono	7W Mono	16W Mono	16W Mono	10W Mono	7W Mono	16W Mono	16W Mono	1W Mono	10W Mono	1W Mono	10W Mono	7W Mono	7W Mono
Security Bar	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Filter	Normal	Normal	Normal	Normal	Urethane	Super Hybrid	Super Hybrid	Electrostatic	Super Hybrid	Super Hybrid	Hybrid	Hybrid	Hybrid	Super Hybrid	Hybrid	Hybrid	Hybrid	Hybrid	Electrostatic	Hybrid
Connectors:																				
Digital Input	No	1 x HDMI	No	No	No	No	1 x HDMI (CP-X2511N only)	No	No	1 x HDMI (CP-X3011N only)	1 x HDMI	No	No	1 x HDMI	No	1 x HDMI	No	1 x HDMI	No	No
Computer Input	2 x 15-pin Mini D-sub	2 x 15-pin Mini D-sub (shared with component)	1 x 15-pin Mini D-sub	2 x 15-pin Mini D-sub	1 x 15-pin Mini D-sub (shared with component)	2 x 15-pin Mini D-sub	2 x 15-pin Mini D-sub	2 x 15-pin Mini D-sub	2 x 15-pin Mini D-sub	2 x 15-pin Mini D-sub	2 x 15-pin Mini D-sub	2 x 15-pin Mini D-sub	2 x 15-pin Mini D-sub	2 x 15-pin Mini D-sub	2 x 15-pin Mini D-sub	2 x 15-pin Mini D-sub	2 x 15-pin Mini D-sub	2 x 15-pin Mini D-sub	2 x 15-pin Mini D-sub	2 x 15-pin Mini D-sub
Computer Output	No	No	No	No	No	1 x 15-pin Mini D-sub	1 x 15-pin Mini D-sub	1 x 15-pin D-sub	1 x 15-pin Mini D-sub	1 x 15-pin Mini D-sub	1 x 15-pin Mini D-sub	1 x 15-pin Mini D-sub	1 x 15-pin Mini D-sub	1 x 15-pin Mini D-sub	1 x 15-pin Mini D-sub	1 x 15-pin Mini D-sub	1 x 15-pin Mini D-sub	1 x 15-pin Mini D-sub	1 x 15-pin D-sub	1 x 15-pin D-sub
Video Input	1 x RCA Jack (for composite) 1 x S-Video Jack	1 x RCA Jack (for composite) 1 x S-Video Jack	1 x RCA Jack (for composite) 1 x S-Video Jack 1 x Component (shared with D-sub1)	1 x RCA Jack (for composite) 1 x S-Video Jack 1 x Component (shared with D-sub1)	1 x RCA Jack (for composite)	3 x Component RCA 1 x RCA Jack (for composite) 1 x S-Video	3 x Component RCA 1 x RCA Jack (for composite) 1 x S-Video 2 x component D-sub (CP-X2011N)	1 x RCA Jack (for composite) 1 x S-Video Jack 3 x RCA Jack (for component)	3 x Component RCA 1 x RCA Jack (for composite) 1 x S-Video	3 x Component RCA 1 x RCA Jack (for composite) 1 x S-Video 2 x component D-sub (CP-X3011N)	1 x RCA Jack (for composite) 1 x S-Video Jack 3 x RCA Jack (for component)	1 x RCA Jack (for composite) 1 x S-Video Jack 3 x RCA Jack (for component)	1 x RCA Jack (for composite) 1 x S-Video Jack 3 x RCA Jack (for component)	3 x Component RCA 1 x RCA Jack (for composite) 1 x S-Video 2 x component D-sub	2 x component D-sub (shared with analogue RGB) 1 x RCA (for composite) 1 x Mini-DIN (for S-Video)	2 x component D-sub (shared with analogue RGB) 1 x RCA (for composite) 1 x Mini-DIN (for S-Video)	2 x component D-sub (shared with analogue RGB) 1 x RCA (for composite) 1 x Mini-DIN (for S-Video)	2 x component D-sub (shared with analogue RGB) 1 x RCA (for composite) 1 x Mini-DIN (for S-Video)	1 x RCA Jack (for composite) 1 x S-Video Jack 1 x RCA Jack (for component)	1 x RCA Jack (for composite) 1 x S-Video Jack 1 x RCA Jack (for component)
Audio Input	1 x Stereo Mini Jack	1 x Stereo Mini Jack	1 x Stereo Mini Jack	1 x Stereo Mini Jack	No	2 x Stereo Mini Jack 1 x RCA (L/R) pair (selectable on OSD)	2 x Stereo Mini Jack 1 x RCA (L/R) pair (selectable on OSD)	2 x Stereo Mini Jack 1 x RCA (L/R) (selectable on OSD)	2 x Stereo Mini Jack 1 x RCA (L/R) (selectable on OSD)	2 x Stereo Mini Jack 1 x RCA (L/R) pair (selectable on OSD)	2 x Stereo Mini Jack 1 x RCA (L/R) pair (selectable on OSD)	2 x Stereo Mini Jack 1 x RCA (L/R) pair (selectable on OSD)	2 x Stereo Mini Jack 1 x Stereo RCA Audio	2 x Stereo Mini Jack 1 x RCA (L/R) pair (selectable on OSD)	2 x Stereo Mini Jack 1 x RCA (L/R) pair (selectable on OSD)	2 x Stereo Mini Jack 1 x RCA (L/R) pair (selectable on OSD)	2 x Stereo Mini Jack 1 x RCA (L/R) pair (selectable on OSD)	2 x Stereo Mini Jack 1 x RCA (L/R) pair (selectable on OSD)	2 x Stereo Mini Jack 1 x RCA (L/R) pair (selectable on OSD)
Audio Output	1 x Stereo Mini Jack	1 x Stereo Mini Jack	1 x Stereo Mini Jack	1 x Stereo Mini Jack	No	1 x RCA (L/R)	1 x RCA (L/R)	1 x Stereo Mini Jack	1 x RCA (L/R)	1 x RCA (L/R)	1 x Stereo Mini Jack	1 x Stereo Mini Jack	1 x Stereo RCA Audio	1 x RCA (L/R)	1 x pair RCA (L/R)	1 x pair RCA (L/R)	1 x pair RCA (L/R)	1 x pair RCA (L/R)	1 x Stereo Mini Jack	1 x Stereo Mini Jack
Control	No	No	No	No	No	1 x 9-pin D-sub for RS232 Control	1 x 9-pin D-sub for RS232 Control	1 x 9-pin D-sub for RS232 Control	1 x 9-pin D-sub for RS232 Control	1 x 9-pin D-sub for RS232 Control	1 x 9-pin D-sub for RS232 Control	1 x 9-pin D-sub for RS232 Control	1 x 9-pin D-sub for RS232 Control	1 x 9-pin D-sub for RS232 Control	1 x 9-pin D-sub for RS232 Control	1 x 9-pin D-sub for RS232 Control	1 x 9-pin D-sub for RS232 Control	1 x 9-pin D-sub for RS232 Control	1 x 9-pin D-sub for RS232 Control	1 x 9-pin D-sub for RS232 Control
Wireless LAN/Wired LAN	No/No	No/No	Yes/Yes	No/No	No/No	No/No	No/Yes	Yes/Yes	No/No	No/Yes	No/No	No/No	No/No	No/Yes	No/No	No/Yes	No/No	No/Yes	No/Yes	No/No
PC-Less Presentation	Yes	No	Yes	Yes	No	No	Yes	Yes	No	Yes	No	No	No	Yes	No	No	No	No	No	No
Mouse Control	USB	USB	USB	USB	No	USB	USB	USB	USB	USB	USB	USB	No	USB	No	No	No	No	USB	No
Wired Remote Control	No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No
Compatibility:																				
Computer	PC, Mac, Workstation, VGA, SVGA, XGA, SXGA/SXGA+, UXGA Compressed, MAC 16"	PC, Mac, Workstation, VGA, SVGA, XGA, SXGA/SXGA+, WXGA, UXGA Compressed, MAC 16"	VGA, SVGA, XGA, WXGA, SXGA/SXGA+, UXGA Compressed, MAC 16"	PC, Mac, Workstation, VGA, SVGA, XGA, SXGA/SXGA+, UXGA Compressed, MAC 16"	PC, VGA, SVGA, XGA, WXGA, SXGA/SXGA+, UXGA Compressed, MAC 16"	PC, VGA, SVGA, XGA, SXGA, SXGA+, UXGA Compressed, MAC 16"	PC, VGA, SVGA, XGA, WXGA, SXGA, SXGA+, UXGA Compressed, MAC 16"	PC, Mac, Workstation, VGA, SVGA, SXGA/SXGA+, UXGA Compressed, XGA, MAC 16"	PC, VGA, SVGA, XGA, SXGA, SXGA+, UXGA Compressed, MAC 16"	PC, VGA, SVGA, XGA, WXGA, SXGA, SXGA+, UXGA Compressed, MAC 16"	PC, VGA, SVGA, XGA, WXGA, SXGA, UXGA Compressed, MAC 16"	PC, Mac, Workstation, VGA, SVGA, XGA, SXGA, UXGA Compressed, MAC 16"	PC, VGA, SVGA, XGA, SXGA, SXGA+, UXGA Compressed, MAC 16"	PC, VGA, SVGA, XGA, WXGA, SXGA, SXGA+, UXGA Compressed, MAC 16"	PC, VGA, SVGA, XGA, WXGA, SXGA, SXGA+, UXGA Compressed, MAC 16"	PC, VGA, SVGA, XGA, WXGA, SXGA, SXGA+, UXGA Compressed, MAC 16"	PC, VGA, SVGA, XGA, SXGA, SXGA+, UXGA Compressed, MAC 16"	PC, VGA, SVGA, XGA, WXGA, SXGA, SXGA+, UXGA Compressed, MAC 16"	PC, Mac, Workstation, VGA, SVGA, XGA, SXGA, UXGA Compressed, MAC 16"	PC, Mac, Workstation, VGA, SVGA, XGA, SXGA, UXGA Compressed, MAC 16"
Video	NTSC/PAL/SECAM/PAL-M/PAL-N/ NTSC4.43	NTSC/PAL/SECAM/PAL-M/PAL-N/ NTSC4.43	NTSC/PAL/SECAM/PAL-M/PAL-N/ NTSC4.43	NTSC/PAL/SECAM/PAL-M/PAL-N/ NTSC4.43	NTSC/PAL/SECAM/PAL-M/PAL-N/ NTSC4.43/PAL60	NTSC/PAL/SECAM/PAL-M/PAL-N/ NTSC4.43/PAL60	NTSC/PAL/SECAM/PAL-M/PAL-N/ NTSC4.43/PAL60	NTSC/PAL/SECAM/PAL-M/PAL-N/ NTSC4.43	NTSC/PAL/SECAM/PAL-M/PAL-N/ NTSC4.43/PAL60	NTSC/PAL/SECAM/PAL-M/PAL-N/ NTSC4.43/PAL60	NTSC/PAL/SECAM/PAL-M/PAL-N/ NTSC4.43	NTSC/PAL/SECAM/PAL-M/PAL-N/ NTSC4.43	NTSC/PAL/SECAM/PAL-M/PAL-N/ PAL-N/NTSC4.43	NTSC/PAL/SECAM/PAL-M/PAL-N/ NTSC4.43/PAL60	NTSC/PAL/SECAM/PAL-M/PAL-N/ NTSC4.43/PAL60	NTSC/PAL/SECAM/PAL-M/PAL-N/ NTSC4.43/PAL60	NTSC/PAL/SECAM/PAL-M/PAL-N/ NTSC4.43	NTSC/PAL/SECAM/PAL-M/PAL-N/ NTSC4.43	NTSC/PAL/SECAM/PAL-M/PAL-N/ NTSC4.43
Accessories Included:																				
Remote Control (with batteries)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
RGB Cable	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Mi-D Cable (DVI & USB to M1)	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Soft Case (included)	Yes	Yes	Yes	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Other	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Cable cover	Table top kit (TT100), cable cover	No
Replacement Lamp/Lamp Wattage	DT00781/160W (UHB)	DT00821/190W (UHB)	DT00781/160W (UHB)	DT00821/190W (UHB)	DT01022/190W (UHB)	DT01021/210W (UHB)	DT01021/210W (UHB)	DT00841/220W (UHB)	DT01021/210W (UHB)	DT01021/210W (UHB)	DT00911/220W (UHB)	DT00911/220W (UHB)	DT01051/260W (UHB)	DT01021/210W (UHB)	DT01091/180W (UHB)	DT01091/180W (UHB)	(TBD)	DT01091/180W (UHB)	DT00891/220W (UHB)	DT00893/220W (UHB)
Projector Warranty	3 Years	3 Years	3 Years	3 Years	3 Years	3 Years	3 Years	3 Years	3 Years	3 Years	3 Years	3 Years	3 Years	3 Years	3 Years	3 Years	3 Years	3 Years	3 Years	3 Years
Lamp Warranty	6 Months/2000 Hours***	6 Months/2000 Hours***	6 Months/2000 Hours***	6 Months/2000 Hours***	6 Months/2000 Hours***	6 Months/6000 Hours***	6 Months/6000 Hours***	6 Months/2000 Hours***	6 Months/6000 Hours***	6 Months/6000 Hours***	6 Months/4000 Hours***	6 Months/4000 Hours***	6 Months/4000 Hours***	6 Months/6000 Hours***	6 Months/4000 Hours***	6 Months/4000 Hours***	6 Months/4000 Hours***	6 Months/4000 Hours***	6 Months/2000 Hours***	6 Months/2000 Hours***

*CP-X10000, CP-WX11000, CP-SX12000: Optional Lenses - Ultra Short Throw (ELS-801), Short Throw (SL-802), Short Throw (SL-803), Standard (SD-804), Long Throw (LL-805), Ultra Long Throw (UL-806). **CP-X608, CP-X615, CP-WX625, CP-SX635 & CP-X809: Optional Lenses - Standard (NL-600), Fixed Short (FL-601), Short Throw (SL-602), Long Throw (LL-603), Ultra Long Throw (UL-604). *** A free replacement lamp will be issued if the original lamp is less than 6 months old and it has only been used for less than the hours stated on lamp warranty. **** A free replacement lamp will be issued if the original lamp is less than 3 years old and it has only been used for less than the hours stated on lamp warranty from the date of first use. In accordance with our policy of constant improvement, we reserve the right to alter specifications of products shown.